SECTION 2

STATEMENT OF WORK

2.1 INTRODUCTION

JPG is located in Jefferson, Ripley, and Jennings Counties, Indiana. The site, which was owned by the U.S. Army between 1940 and 1995, was used as a testing ground for production and post-production tests of conventional OE items and ammunition components. The facility was closed on September 30, 1995 and remediation of the facility is proceeding under the Base Realignment and Closure (BRAC) program. The parcels of JPG that will be the focus of this study are located just west of the old base airfield. The site is covered, except for the far southern portion, by mature trees with a 40 to 50 foot canopy.

2.2 OBJECTIVE

The objective of this delivery order is to perform intrusive investigations of 89 anomalies that have been previously identified at the site and to identify and develop cleanup alternatives to address the risks found in the woods due to the presence of OE. An EE/CA report will be prepared to document the results of the field investigation and the process used to select the response action. Upon completion of the EE/CA report and the public review process an EE/CA Action Memorandum will be prepared.

2.3 SPECIFIC TASKS

2.3.1 Task 1 - Site Visit and Records Review. Parsons ES will make a site visit, review pertinent records and interview personnel knowledgeable of site conditions. The purpose of this task is for Parsons ES' personnel with direct project responsibility to gain necessary information about existing site conditions. Site visitors to areas potentially contaminated with OE will be escorted by a qualified UXO Safety Specialist who will be provided by Parsons ES.

2.3.2 Task 2 - Prepare Project Work Plan. Parsons ES will use the existing JPG Work Plan and associated sub-plans that were previously prepared by UXB to perform work at JPG. These

plans were prepared by UXB under contract number DACA87-97-D0006\ Delivery Order number 0002 to perform OE clearance operations at the site. This Work Plan addresses the methods, procedures, and equipment that will be used to complete the intrusive investigations of the 89 anomalies at the site. The use of UXB's existing Work Plan to perform the intrusive investigations at the 323-acre wooded site has been approved by the Contracting Officer. A copy of this approval letter is provided in Appendix B. In addition, Parsons ES has prepared this separate Work Plan which addresses the documentation that will be prepared during this project. Incorporation of government comments into the final Work Plan deliverable has also been accomplished under this task.

2.3.3 Task 3 - Performance of OE Sampling. Parsons ES will provide all necessary personnel and equipment to perform OE sampling at the site. For this project, OE sampling will consist of the excavation of 89 anomalies identified by the government. The purpose of the anomaly excavations will be to determine the presence and nature of OE contamination at the site. All 89 anomalies that will be excavated will be marked in the field by the Government and Government-furnished dig sheets showing approximate anomaly locations will be provided to Parsons ES. Parsons ES will excavate to a depth of four feet to determine the identity of the selected geophysical anomalies. If deeper excavation is required, the on-site OE Safety Specialist or CEHNC-OE-DC-B will make the decision. Parsons ES will tabulate all anomalies into an Excel spreadsheet. This data will be the basis for the excavation and removal of the anomalies. The results of the excavations will be added to the spreadsheet to include all pertinent features of the anomaly to include item description, actual location, depth, size, mass, and any other information that would assist in classifying the geophysical anomaly. All interim data will be provided in a digital format to the Government using an Internet connection to the USAESCH OE server with a final deliverable on a PC CD-ROM. Parsons ES will dispose of all OE excavated or otherwise located during this investigation by blowing in place. However, no demolition will take place that may jeopardize any historical or archeological structure or location. All access/excavation/detonation holes will be backfilled and returned to their natural state. Detonation holes will be lined with a geotextile fabric prior to backfilling.

2.3.3.1 Parsons ES will maintain a detailed accounting of all OE items/components encountered. This accounting shall include the amount of OE, the identification and condition of the OE, depth encountered, disposition, and the location/mapping. Parsons ES will also maintain a detailed accounting system for all demolition materials used to detonate any OE items found at the site.

2.3.3.2 If a scenario is encountered where an unidentifiable Unexploded Ordnance (UXO) is located or a suspected toxic chemical munition is encountered, or a situation occurs which prevents detonation in place, the on-site OE Safety Specialist or OE Safety Office shall be notified, who will in turn request the appropriate support.

2.3.3.3 Parsons ES will develop a statistical estimate of density for each type of UXO found in each sector. Parsons ES will use the Government-provided UXO Calculator to determine the sector densities.

2.3.4 Task 4 - Turn-In of Recovered Inert Ordnance and OE Related Scrap. Parsons ES will provide all necessary personnel and equipment to coordinate with the local Defense Reutilization and Marketing Organization (DRMO), or local DRMO-approved scrap dealer, for the turn in of all recovered inert OE items and OE related scrap. A DD Form 1348-1A shall be completed as turn-in documentation. Turn-in documentation will be submitted as a component of the EE/CA report.

2.3.5 Task 5 - Institutional Analysis. Parsons ES will prepare an institutional analysis to support the development of institutional control alternatives plans of action. Institutional controls rely on the existing powers and authorities of other government agencies to protect the public at large from OE risks. Instead of direct elimination of OE from the site, these plans rely on behavior modification and access control strategies to reduce or eliminate OE risks. The objective of this report is to document the which government agencies have jurisdiction over OE contaminated lands and to document ordinances, zoning regulations, and applicable permits to the site which could protect the public at large from explosive hazards. Additionally, this report will document the obligation of government, corporate, or private land holders of OE contaminated lands to protect citizens from safety hazards under tort law.

2.3.6 Task 6 - Qualitative Risk Assessment. Parsons ES will assist the Government in the development of a Qualitative Risk Assessment (QRA) process. Once developed, Parsons ES will use the QRA on the site to determine the qualitative public risk for each sector of the site. A risk report detailing all significant factors that went into the QRA and all statistical details of the site characterization will be provided. The statistical characterization will be performed in accordance with the USAESCH developed statistical methodology UXO Calculator.

2.3.7 Task 7 - Prepare EE/CA Report. Parsons ES will prepare an EE/CA report that fully documents the field work and subsequent evaluations and recommendations made for the site. The report will describe the location and predict the identification of buried ordnance, differentiate between buried ordnance and non-ordnance geophysical anomalies, and describe alternative land uses and anticipated costs of performing various OE removal actions at the site. The various OE removal actions will be evaluated based on the criteria of effectiveness, implementability, and cost. The report will be prepared in accordance with the EPA Guidance Document, "Guidance on Conducting Non-Time-Critical Removal Actions Under CERCLA", dated August 1993.

2.3.8 Task 8 - EE/CA Action Memorandum. Parsons ES will prepare an EE/CA Action Memorandum consistent with the guidance provided by USAESCH for signature by appropriate US Army Corps of Engineers personnel.

2.3.9 Task 9 - Community Relations Support. Parsons ES shall support, attend, and participate in public meetings as directed by the Contracting Officer. Parsons ES will prepare and deliver briefings, graphics, and presentations in support of the public meetings, and participate in site visits as directed by the Contracting Officer.

2.3.10 Task 10 - Meetings and Project Management. Parsons ES will attend and participate in meetings with DOD, regulatory, and civilian personnel as directed by the Contracting Officer. Parsons ES will provide a minimum of three professionals who are thoroughly familiar with the project at three meetings. It was assumed by Parsons ES that the meetings will last no more than one day each. In addition, Parsons ES will provide all logistical support for a public meeting to be held in Madison, Indiana. This support will include mailing the notification of the public meeting to all persons and agencies on the existing mailing list. Parsons ES will also supply a Senior UXO Supervisor to assist in the public meeting. Parsons ES will manage this delivery order in accordance with the Scope of Work and the approved Work Plan. All project management associated with this delivery order modification, with the exception of direct technical oversight of work described in the preceding tasks, will be accounted for in this task.